



JANUARY 2005 ENGINEERING AND RELATED SERVICES SOLICITATION

DUE DATE: January 19, 2005

- A = Estimated Consultant Contract cost < \$100,000
 B = Estimated Consultant Contract cost > \$100,000 but less than \$1,000,000
 C = Local Unit of Government Selects Consultant
 D = Estimated Consultant Contract cost > \$1,000,000

****Open to all firms**

Tied on one contract

Concept Definition Reports or Scope of Service narratives are included as supplements to this solicitation. They are current at the time of Internet publication but are subject to change. Click on the PROJECT ID for more detail.

DISTRICT & SOLICITATION #	PROJECT ID	ANTICIPATED CONSTRUCTION COST	ANTICIPATED SELECTION DATE	ANTICIPATED PROJECT START DATE	ANTICIPATED PROJECT COMPLETION DATE	DBE GOAL ? (Yes or No)	LOCAL SELECTION? (Yes or No)	CONTACT PERSON	TELEPHONE #
DISTRICT 1									
D1 1B	1200-00-04**	N/A	15-Feb-05	1-May-05	1-May-06	Yes	No	Jay Obenberger	(608) 243-3379
D1 1C	5988-00-04	\$ 1,800,000	Feb-05	Apr-05	Aug-08	No	Yes	Ed Geick	(608) 355-2715
DISTRICT 2									
D2 1B	3180-05-00	\$ 2,600,000	1-Feb-05	1-Mar-05	7-Feb-07	Yes	No	Paty Donahue	(262) 521-4400
D2 2B	1000-41-35**	N/A	2-May-05	1-Jun-05	30-Jun-06	Yes	No	Anne Reshadi-Nezhad	(414) 227-2166
D2 3B	1000-41-36**	N/A	2-May-05	1-Jun-05	30-Jun-06	Yes	No	Doug Dembowski	(414) 227-2166
D2 4B	1000-41-40**	N/A	2-May-05	1-Jun-05	30-Jun-06	No	No	Don Schell	(414) 227-2166
D2 1A	1000-41-39**	N/A	2-May-05	1-Jun-05	30-Jun-06	No	No	Anne Reshadi-Nezhad	(414) 227-2166
D2 2A	1000-41-38**	N/A	2-May-05	1-Jun-05	30-Jun-06	No	No	Anne Reshadi-Nezhad	(414) 227-2166
DISTRICT 3									
Phase 1 - October 1, 2005; Phase 2									
D3 1A	4065-14-30	\$ 750,000	1-Mar-05	1-May-05	unknown	No	No	Bill Bertrand	(920) 492-5708
D3 2A	4075-21-00	\$ 625,000	1-Mar-05	1-Jun-05	1-Nov-09	No	No	Tom Kobus	(920) 492-0143
D3 1B	4075-17-00	\$ 1,900,000	1-Mar-05	1-Jun-05	1-Nov-09	No	No	Tom Kobus	(920) 492-0143
D3 2B	4075-18-00	\$ 3,200,000	1-Mar-05	1-Jun-05	1-Nov-09	Yes	No	Tom Kobus	(920) 492-0143
D3 3B	4075-20-00	\$ 950,000	1-Mar-05	1-Jun-05	1-Nov-09	No	No	Tom Kobus	(920) 492-0143
D3 4B	6240-16-00	\$ 1,200,000	1-Mar-05	1-Jun-05	1-Jan-10	No	No	Tom Kobus	(920) 492-0143
DISTRICT 4									
D4 1A	1016-08-05	\$ 170,000	1-Feb-05	1-Apr-05	1-Apr-08	No	No	Kevin Garrigan	(715) 421-8386
D4 1A	1016-08-06	\$ 380,000							
D4 1A	1016-08-07	\$ 480,000							

DISTRICT & SOLICITATION #	PROJECT ID	ANTICIPATED CONSTRUCTION COST	ANTICIPATED SELECTION DATE	ANTICIPATED PROJECT START DATE	ANTICIPATED PROJECT COMPLETION DATE	DBE GOAL ? (Yes or No)	LOCAL SELECTION? (Yes or No)	CONTACT PERSON	TELEPHONE #
D4 2A	1017-00-31	\$ 550,000	1-Feb-05	1-Apr-05	1-Jan-08	No	No	Kevin Garrigan	(715) 421-8386
D4 2A	1017-00-32	\$ 200,000							
D4 1B	6140-00-05	\$ 1,660,000	1-Feb-05	1-May-05	1-Jan-10	No	No	Kevin Garrigan	(715) 421-8386
D4 2B	6320-08-02	\$ 1,700,000	1-Apr-05	1-May-05	1-Feb-10	No	No	Kevin Garrigan	(715) 421-8386
D4 3B	1166-01-00	\$ 1,600,000	1-Feb-05	1-Apr-05	1-Jun-08	No	No	Mark Steidl	(715) 421-8043
D4 1C	6695-03-01	\$ 228,000	1-Mar-05	1-Apr-05	1-Jun-07	No	Yes	Jason Schaeffer	(715) 421-7309
DISTRICT 7									
D7 1B	9050-12-29**		28-Feb-05	1-Jun-05	1-Aug-06	No	No	Rob Severson	(715) 365-5797
D7 1A	9080-13-29**		28-Feb-05	1-Jun-05	1-Aug-06	No	No	Rob Severson	(715) 365-5797
BUREAU OF EQUITY AND ENVIRONMENTAL SERVICES									
BEES 1B	XXXX-XX-XX**	N/A	28-Feb-05	1-Jul-05	30-Jun-07	No	No	Shar Tebeest	(608) 266-1476
BUREAU OF HIGHWAY DEVELOPMENT									
BHD 1A	0656-24-17**	N/A	1-Mar-05	1-Jul-05	30-Jun-07	No	No	Kimberly Schauder	(608) 264-8709
BHD 1B	0656-24-23**	N/A	1-Mar-05	1-Jul-05	30-Jun-07	No	No	Cynthia K. McCallum	(608) 267-4482
BUREAU OF HIGHWAY OPERATIONS									
BHO 1B	1009-04-10	N/A	1-Mar-05	1-Jul-05	30-Jun-07	Yes	No	Graham Heitz	(608) 266-1260
BHO 2B	1009-04-11	N/A	1-Mar-05	1-Jul-05	30-Jun-07	Yes	No	Marie Treazise	(608) 266-1380
BHO 3B	1009-04-12	N/A	1-Mar-05	1-Jul-05	30-Jun-07	Yes	No	Ashwani K. Sharma	(608) 266-1273
BUREAU OF RAILROADS AND HARBORS									
BRH 1A	0092-05-13**	N/A	28-Feb-05	15-Apr-05	15-Jun-05	No	No	Jim Bolitho	(608) 267-7349



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

TRANSPORTATION DISTRICT 1

Scope of Service Narratives:

D1 1B

Project ID: 1200-00-04

Beltline Ramp Meter Study

USH 12/18

IH 90 – Middleton

Dane County

Use the DT1819 Consultant Solicitation Open to All Firms NOI created for this solicitation number. This solicitation is open to consultants who are NOT on the WisDOT's Roster of Eligible Consultants as well as to those who are.

The department is soliciting for a consultant firm to develop ramp meter plan/study/preliminary engineering for Highway 12/18 in Dane County.

The area of study will be the Beltline from Interstate 90 to Middleton.

The selected firm will need to define a stakeholder involvement process to gain consensus with involved staff from local communities and law enforcement agencies. Determine the need for more ramp meters along the Beltline. Create prioritization criteria for the next ramp meters to be implemented. Create a policy document for design characteristics of the ramp meters (i.e. number of lanes, width of lanes, curb treatments and HOV policy.) This effort would supplement the work that has already been done as part of the Verona Road Interchange Environmental Study, the Dane County Incident Management Study and the District 1 ITS Architecture and Preliminary Engineering Study.

Deliverables expected are:

- Define a stakeholder involvement process
- Define a committee process
- Facilitate consensus on the prioritization criteria for the next ramp meters
- Develop a Paramics Traffic Model for the Beltline
- Develop a policy document on prioritization criteria
- Develop a policy document on design thresholds
- Develop a technical memo on implementation alternatives
- Develop an implementation program

At the option of the department, the selection for this contract will be the basis for awarding additional engineering contracts through final design for this project without an additional solicitation. Consultant qualifications through all phases of the design project will be considered in selection for this contract.

The contract price will be based on the selected consultant's actual costs plus profit. Actual costs will be defined as those costs allowable under the cost principles in Part 31 of Federal Acquisition Regulation (FAR). Consultant costs including indirect cost rates and cost accounting system will be subject to audit. Consultant firms that are unable to account for costs consistent with requirements of the FAR are not eligible to contract. Consultants selected will be required to either submit or have on file with WisDOT a Consultant Financial Report prior to contract execution. Information on the report may be found at <http://www.dot.wisconsin.gov/business/engrserv/caufinancial.htm>.

For more information, contact the Project Manager Jay Obenberger at (608) 243-3379.



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Madison Transportation District 1 (cont.)

D1 1C

Project ID: 5988-00-04

South Boulevard

Limits: USH 12 – USH 123

City of Baraboo

Sauk County

Use the DT1821 Consultant Solicitation Local Selection NOI created for this project

Project Scope

City of Baraboo has entered into a project agreement with the department under the Federal Urban program for the reconstruction of South Boulevard to existing urban design standards with storm sewer design from USH 12 to USH 123. The existing 24' – 40' rural 2-lane roadway has deteriorating pavement and inadequate pavement width in some areas. The project has an ADT of 8200 (1999). The project will include traffic counts, possible right of way acquisition if roadway is shifted to the north of STH 123, storm water design, sidewalk, hazardous materials, environmental documentation and possible 4F for adjacent park. The project is currently scheduled for construction in 2008.

Consulting Services

Upon successful negotiations with the selected consultant, the city of Baraboo and the department will enter into a Three Party Design Engineering Services contract with the consultant. Work to be provided by the selected consultant will include, but not be limited to all necessary reports, agency and utility coordination, public involvement, and preparation of construction plans and specifications.

Consultant Selection

The city is looking for a consultant who has completed similar projects including public involvement and coordination with all agencies involved in this project. The city may select three consultants to present their qualifications to the Consultant Selection Committee, or the city may select a consultant based on the responses given in the Consultant Solicitation For Local Selection, NOI, DT 1821, Solicitation Number D1 1C. Please use this form for your response and mail six copies directly to the City of Baraboo Administrator. A link to it can be found at: <http://www.dot.wisconsin.gov/business/engrserv/caudesolicit.htm>.

Direct questions to Baraboo City Administrator, Ed Geick at (608) 355-2715.



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

TRANSPORTATION DISTRICT 2

Scope of Service Narratives:

D2 1B

Project ID: 3180-05-00

III. State line to East Troy
Oak Lane to I-43
STH 120
Walworth County

PS&E Date: February 1, 2007
Let Date: June 12, 2007

STH 120 is classified as a minor arterial with a current ADT of 4031. The 9.64 miles of pavement are showing signs of deterioration and are in need of repair.

The department is soliciting consultant design services for this resurfacing project. At this time WisDOT plans to mill and resurface the existing rural roadway with asphaltic pavement. There is a large retaining wall that will need to be rebuilt or replaced.

Deliverables:

- Design of resurfacing project following FDM beyond the scoping meeting.
- PS&E

WisDOT will provide

- Traffic forecast
- Crash data
- Existing culvert log
- List of known utilities
- As-built plans
- Existing RW plats
- Aerial Orthos

For more information contact Paty Donahue at (262) 521-4400.

D2 2B

Project ID: 1000-41-35

TIME (Traffic Incident Management Enhancement)
Program Technical Support

Use the [DT1819 Consultant Solicitation Open to All Firms NOI](#) created for this solicitation number. This solicitation is open to consultants who are NOT on the WisDOT's Roster of Eligible Consultants as well as to those who are.



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Waukesha Transportation District 2 (cont.)

Scope of Services: This project is intended to provide staff resources to support the TIME incident management program in S.E. Wisconsin. This project will provide staff to the Traffic Operations Center to coordinate meeting activities, develop and disperse mailings for the TIME program, develop and maintain contact databases, and other office support functions. This project will also provide support to each of the TIME subcommittees (Corridor Traffic Management, Emergency Services, Program Outreach, Special

Event/Construction Management) in the form of dedicated staff members from the consultant team. As part of the TIME responsibilities, consultant staff will be required to support the management activities of regional service patrol projects and continue the development and implementation of incident management performance measures. These individuals will be responsible for the daily actions necessary to address the recommendations borne of each sub-committee.

The contract price will be based on the selected consultant's actual costs plus profit. Actual costs will be defined as those costs allowable under the cost principles in Part 31 of Federal Acquisition Regulation (FAR). Consultant costs including indirect cost rates and cost accounting system will be subject to audit. Consultant firms that are unable to account for costs consistent with requirements of the FAR are not eligible to contract. Consultants selected will be required to either submit or have on file with WisDOT a Consultant Financial Report prior to contract execution. Information on the report may be found at <http://www.dot.wisconsin.gov/business/engrserv/caufinancial.htm>.

For more information contact Anne Reshadi-Nezhad at (414) 227-2166.

D2 3B

Project ID: 1000-41-36

MONITOR Control Room Support
Freeway Operations

Use the DT1819 Consultant Solicitation Open to All Firms NOI created for this solicitation number. This solicitation is open to consultants who are NOT on the WisDOT's Roster of Eligible Consultants as well as to those who are.

This project will complete the following tasks with on site consultant staff:

- Continue and update a previously implemented staff training program
- Update MONITOR operations policies and guidelines
- Update MONITOR control room manual, shift check-lists and graphics for display
- Provide supplemental engineering and operator staffing support for control room functions
- Conduct monthly audits of MONITOR control room performance and MONITOR device utilization
- Continue ongoing review and refinement of ramp metering subsystems
- Update and implement ramp meter guidelines
- Continue ongoing ramp meter retiming
- Provide general traffic analysis and expertise (i.e. TIME, ICOP, Marquette Interchange)
- Develop guidelines for ramp/lane closures during construction
- Produce updated justifications of lane user fees to be used on construction projects
- Provide staffing support for control room operations as related to Marquette Interchange reconstruction

The contract price will be based on the selected consultant's actual costs plus profit. Actual costs will be defined as those costs allowable under the cost principles in Part 31 of Federal Acquisition Regulation (FAR).



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Waukesha Transportation District 2 (cont.)

Consultant costs including indirect cost rates and cost accounting system will be subject to audit. Consultant firms that are unable to account for costs consistent with requirements of the FAR are not eligible to contract. Consultants selected will be required to either submit or have on file with WisDOT a Consultant Financial Report prior to contract execution. Information on the report may be found at <http://www.dot.wisconsin.gov/business/engrserv/caufinancial.htm>.

For more information, contact Doug Dembowski at (414) 227-2166.

D2 4B

Project ID: 1000-41-40

Communications & Data System Integration
Freeway Operations

Use the DT1819 Consultant Solicitation Open to All Firms NOI created for this solicitation number. This solicitation is open to consultants who are NOT on the WisDOT's Roster of Eligible Consultants as well as to those who are.

Provide onsite network and engineering support services for the WisDOT Freeway Operations Unit. The selected consultant will provide an onsite engineer as required to support DOT staff with network management and configuration.

Work provided by this staff member may include:

- assembling and configuring network devices and associated services,
- establish network users and security for networks being added,
- perform network troubleshooting to isolate and diagnose common network problems,
- prepare and maintains documentation of network configurations and cabling layouts,
- manage and update firewall(s) under the direction of DOT district and central office staff,
- assist DOT staff with office IT support, including specification for new or replacement hardware.

The contract price will be based on the selected consultant's actual costs plus profit. Actual costs will be defined as those costs allowable under the cost principles in Part 31 of Federal Acquisition Regulation (FAR). Consultant costs including indirect cost rates and cost accounting system will be subject to audit. Consultant firms that are unable to account for costs consistent with requirements of the FAR are not eligible to contract. Consultants selected will be required to either submit or have on file with WisDOT a Consultant Financial Report prior to contract execution. Information on the report may be found at <http://www.dot.wisconsin.gov/business/engrserv/caufinancial.htm>.

For more information, contact Don Schell at (414) 227-2166.

D2 1A

Project ID: 1000-41-39

GCM Program Support
Freeway Operations



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Waukesha Transportation District 2 (cont.)

Use the DT1819 Consultant Solicitation Open to All Firms NOI created for this solicitation number. This solicitation is open to consultants who are NOT on the WisDOT's Roster of Eligible Consultants as well as to those who are.

This project will provide DTD D2 with an on site consultant staff member to GCM project administration and public information support. The dedicated staff member will accomplish the following:

- Prepare and distribute District 2 GCM quarterly status reports
- Assist with the review and submittals of any District 2 GCM funded projects
- Provide quarterly cost versus budget reports to District 2 Project Managers for current GCM funded projects
- Attend District Public Information Team meetings as necessary
- Provide District Public Information Team with necessary information as requested
- Provide assistance with written material development and review of draft products as necessary
- Maintain field element inventory and provide yearly status report
- Assist with the maintenance of Operations and Maintenance cost tracking database for all ITS field components

The contract price will be based on the selected consultant's actual costs plus profit. Actual costs will be defined as those costs allowable under the cost principles in Part 31 of Federal Acquisition Regulation (FAR). Consultant costs including indirect cost rates and cost accounting system will be subject to audit. Consultant firms that are unable to account for costs consistent with requirements of the FAR are not eligible to contract. Consultants selected will be required to either submit or have on file with WisDOT a Consultant Financial Report prior to contract execution. Information on the report may be found at <http://www.dot.wisconsin.gov/business/engrserv/caufinancial.htm>.

For more information, contact Anne Reshadi-Nezhad at (414) 227-2166.

D2 2A

Project ID: 1000-41-38

TEA 21 Program Support
Freeway Operations

Use the DT1819 Consultant Solicitation Open to All Firms NOI created for this solicitation number. This solicitation is open to consultants who are NOT on the WisDOT's Roster of Eligible Consultants as well as to those who are.

This project will provide DTD D2 with an on site consultant staff member to perform budgetary and project tracking duties. The dedicated staff member will accomplish the following:

- Prepare yearly ITS project submittals
- Track biennial ITS standalone funding
- Assist with the development and maintenance of "Inter-agency" agreements as they relate to TIME project initiatives
- Provide necessary information to Department Planning personnel to enable project ID initialization and authorization
- Assist Department Central Office staff in the development of project specific work orders for federally funded projects



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Waukesha Transportation District 2 (cont.)

- Develop quarterly project status reports for all Traffic Operations Center projects
- Support TOC staff as necessary with STOP initiatives

The contract price will be based on the selected consultant's actual costs plus profit. Actual costs will be defined as those costs allowable under the cost principles in Part 31 of Federal Acquisition Regulation (FAR). Consultant costs including indirect cost rates and cost accounting system will be subject to audit. Consultant firms that are unable to account for costs consistent with requirements of the FAR are not eligible to contract. Consultants selected will be required to either submit or have on file with WisDOT a Consultant Financial Report prior to contract execution. Information on the report may be found at <http://www.dot.wisconsin.gov/business/engrserv/caufinancial.htm>.

For more information, contact Anne Reshadi-Nezhad at (414) 227-2166.



TRANSPORTATION DISTRICT 3

Scope of Service Narratives:

D3 1A

Project ID: 4065-14-30

City of Menasha

Tayco St & Racine St Fox River Strs

Various

Winnebago County

Project Purpose & Need

Due to state budget limitations, WisDOT is forced to investigate all options for cost reductions. Both of the Menasha bridges are 84.10 bridges on the local system that are currently operated by bridge tenders. Remote operations allow savings to the state through labor reduction. Anticipated payback for this upgrade is 5 years when 2 structures are operated at one location requiring ½ the staff.

Project Description

The Wisconsin Department of Transportation (WisDOT) is soliciting consultant design services to conduct a study to determine feasibility and complete the design for rehabilitation of structures B-70-97 (Tayco St. over Fox River) and B-70-1 (Racine St. over Fox River) for remote operations. Rehabilitation of the structures and the actual construction letting date are dependant upon the study findings. This contract will be a phased contract with the first phase being the completion of the feasibility study and the second phase being the actual design.

Deliverables

- Feasibility Study: (Phase 1 - October 1, 2005)
- Environmental Document: (Phase 2 – date to be determined)
- 60% Design Plan: (Phase 2 – date to be determined)
- Design Study Report: (Phase 2 – date to be determined)
- Preliminary Structure Plans: (Phase 2 – date to be determined)
- Final Structure Plans: (Phase 2 – date to be determined)
- Preliminary Plans and DT1078 sent to utilities: (Phase 2 – date to be determined)
- 90% Design Plan: (Phase 2 – date to be determined)
- PS&E package submitted to District 3 for District Review: (Phase 2 – date to be determined)
- PS&E submitted for Bureau Review: (Phase 2 – date to be determined)
- PS&E date: (Phase 2 – date to be determined)
- Letting date: (Phase 2 – date to be determined)

WisDOT Provides

- Concept Definition Report and/or District Scoping Document
- List of known utilities
- Crash data
- Traffic forecast
- Horizontal and vertical control for surveys
- Latest structure inspection reports
- As built plans



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Green Bay Transportation District 3 (cont.)

Consultant Requirements

- Knowledge of the PS&E process
- Experience with design criteria – both with WisDOT's Facilities Development Manual and the AASHTO Roadside Design Guide – for rural and urban roadways.
- Experience with the design environmental process
- Coordinate with all agencies and obtain the necessary permits
- Familiarity with WisDOT Exception to Standards Report
- Familiarity with TRANS 220
- Experience with the public involvement process
- Familiarity with WisDOT's Community Sensitive Design principals and the ability to work with the local community
- Experience performing hydrologic and hydraulic design, including completing structure survey reports
- Structure Design
- Familiarity with WisDOT encroachment reports
- Experience with project management
- Committed to providing WisDOT with updated construction cost estimates (minimum semi-annually)

Special Skills & Expectations

The consultant should have experience and a good working knowledge in the design and operation of complex moveable structures.

The district discourages interested consultants in contacting the district with any inquiries directed toward marketing their firm for this project prior to submitting the NOI. Any such contact may adversely affect the selection of the consultant, at the discretion of the district. If absolutely necessary, the interested consultant may contact the district to further clarify the project scope or consultant requirements of the project.

The district contact person is Bill Bertrand, Project Manager, at (920) 492-5708 or at william.bertrand@dot.state.wi.us

D3 2A

Project ID: 4075-21-00

Draper Street, City of Kaukauna
WCPL Kaukauna – Desnoyer Street
STH 96
Outagamie County

Project Purpose & Need

Existing concrete pavement needs to be replaced due to deterioration. Some intersections have high accident rates.

Project Description

The Wisconsin Department of Transportation (WisDOT) is soliciting consultant design services for reconstruction of STH 96, Draper Street, from WCPL Kaukauna – Desnoyer Street in the City of Kaukauna in Outagamie County. The existing roadway is 48-foot urban section that currently accommodates two lanes of traffic with parking. The city of Kaukauna will be replacing utilities in conjunction with the project. The scope of the project will include public involvement, agency coordination, environmental analysis and coordination, preliminary and final design.



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Green Bay Transportation District 3 (cont.)

Deliverables

- Field surveys
- 30% Design Plan due September 1, 2006
- 60% Design Plan due July 1, 2007
- Environmental Document – 2ER due May 1, 2007
- Soils Report due April 1, 2007
- Pavement Design Report due May 1, 2007
- Design Study Report due June 1, 2007
- Preliminary Plans and DT 1078 sent to utilities by June 1, 2007
- 90% Design Plan due January 1, 2009
- PS&E package submitted to District 3 for District Review due March 1, 2009
- PS&E submitted for Bureau Review: May 1, 2009
- PS&E date: July 1, 2009
- Letting date: November 10, 2009

WisDOT Provides

- Concept Definition Report and/or District Scoping Document
- List of known utilities
- Aerial photography (including existing mapping and DTM)
- Project agreement with local government (if applicable)
- Crash data
- Traffic forecast
- Horizontal and vertical control for surveys
- As built plans
- Existing right-of-way plats

Consultant Requirements

- Knowledge of the PS&E process
- Experience with design criteria – both with WisDOT's Facilities Development Manual and the AASHTO Roadside Design Guide – for rural and urban roadways.
- Experience with urban intersection design
- Experience with the design environmental process
- Coordinate with all agencies and obtain the necessary permits
- Familiarity with WisDOT Exception to Standards Report
- Familiarity with TRANS 220
- Familiarity with Railroad Coordination in regards to roadway projects
- Experience with the public involvement process
- Familiarity with WisDOT's Community Sensitive Design principals and the ability to work with the local community
- Experience performing hydrologic and hydraulic design, including completing structure survey reports
- Familiarity with WisDOT encroachment reports
- Experience with project management
- Committed to providing WisDOT with updated construction cost estimates (minimum semi-annually)



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Green Bay Transportation District 3 (cont.)

The district discourages interested consultants in contacting the district with any inquiries directed toward marketing their firm for this project prior to submitting the NOI. Any such contact may adversely affect the selection of the consultant, at the discretion of the district. If absolutely necessary, the interested consultant may contact the district to further clarify the project scope or consultant requirements of the project.

The district contact person is Tom Kobus, Project Manager, at (920) 492-0143 or at thomas.kobus@dot.state.wi.us.

D3 1B

Project ID: 4075-17-00

Wisconsin Ave. City of Appleton
Rankin Street – CTH E
STH 96
Outagamie County

Project Purpose & Need

Existing concrete pavement needs to be replaced due to deterioration.

Project Description

The Wisconsin Department of Transportation (WisDOT) is soliciting consultant design services for the reconstruction of STH 96 from Rankin Street – CTH E in the city of Appleton. The existing roadway is a 52-foot urban section that currently accommodates both four lanes of traffic and two lanes of traffic with parking. The scope of the project will include public involvement, agency coordination, environmental analysis and coordination, preliminary and final design.

Deliverables

- Field surveys
- 30% Design Plan due September 1, 2006
- 60% Design Plan due July 1, 2007
- Environmental Document – 2ER due May 1, 2007
- Soils Report due April 1, 2007
- Pavement Design Report due May 1, 2007
- Design Study Report due June 1, 2007
- Preliminary Plans and DT 1078 sent to utilities by June 1, 2007
- 90% Design Plan due January 1, 2009
- PS&E package submitted to District 3 for District Review due March 1, 2009
- PS&E submitted for Bureau Review: May 1, 2009
- PS&E date: July 1, 2009
- Letting date: November 10, 2009

WisDOT Provides

- Concept Definition Report and/or District Scoping Document
- List of known utilities
- Aerial photography (including existing mapping and DTM)
- Project agreement with local government (if applicable)
- Crash data



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Green Bay Transportation District 3 (cont.)

- Traffic forecast
- Horizontal and vertical control for surveys
- As built plans
- Existing right-of-way plats

Consultant Requirements

- Knowledge of the PS&E process
- Experience with design criteria – both with WisDOT's Facilities Development Manual and the AASHTO Roadside Design Guide – for rural and urban roadways.
- Experience with urban intersection design
- Experience with the design environmental process
- Coordinate with all agencies and obtain the necessary permits
- Familiarity with WisDOT Exception to Standards Report
- Familiarity with TRANS 220
- Familiarity with Railroad Coordination in regards to roadway projects
- Experience with the public involvement process
- Familiarity with WisDOT's Community Sensitive Design principals and the ability to work with the local community
- Experience performing hydrologic and hydraulic design, including completing structure survey reports
- Familiarity with WisDOT encroachment reports
- Experience with project management
- Committed to providing WisDOT with updated construction cost estimates (minimum semi-annually)

The district discourages interested consultants in contacting the district with any inquiries directed toward marketing their firm for this project prior to submitting the NOI. Any such contact may adversely affect the selection of the consultant, at the discretion of the district. If absolutely necessary, the interested consultant may contact the district to further clarify the project scope or consultant requirements of the project.

The district contact person is Tom Kobus, Project Manager, at (920) 492-0143 or at thomas.kobus@dot.state.wi.us

D3 2B

Project ID: 4075-18-00

Wisconsin Avenue, City of Appleton
Richmond Street – Rankin Street
STH 96
Outagamie County

Project Purpose & Need

Existing concrete pavement needs to be replaced due to deterioration.

Project Description

The Wisconsin Department of Transportation (WisDOT) is soliciting consultant design services for the reconstruction of STH 96 from Richmond Street to Rankin Street in the city of Appleton. The existing roadway is a 52-foot urban section that currently accommodates two-lanes of traffic with parking. The scope of the



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Green Bay Transportation District 3 (cont.)

project will include public involvement, agency coordination, environmental analysis and coordination, preliminary and final design.

Deliverables

- Field surveys
- 30% Design Plan due September 1, 2006
- 60% Design Plan due July 1, 2007
- Environmental Document – 2ER due May 1, 2007
- Soils Report due April 1, 2007
- Pavement Design Report due May 1, 2007
- Design Study Report due June 1, 2007
- Right-of-Way Plat due July 1, 2007
- Preliminary Plans and DT 1078 sent to utilities by June 1, 2007
- 90% Design Plan due January 1, 2009
- PS&E package submitted to District 3 for District Review due March 1, 2009
- PS&E submitted for Bureau Review: May 1, 2009
- PS&E date: July 1, 2009
- Letting date: November 10, 2009

WisDOT Provides

- Concept Definition Report and/or District Scoping Document
- List of known utilities
- Aerial photography (including existing mapping and DTM)
- Project agreement with local government (if applicable)
- Crash data
- Traffic forecast
- Horizontal and vertical control for surveys
- As built plans
- Existing right-of-way plats
- Consultant Requirements
- Knowledge of the PS&E process
- Experience with design criteria – both with WisDOT's Facilities Development Manual and the AASHTO Roadside Design Guide – for rural and urban roadways.
- Experience with urban intersection design
- Experience with the design environmental process
- Coordinate with all agencies and obtain the necessary permits
- Familiarity with WisDOT Exception to Standards Report
- Familiarity with TRANS 220
- Experience with the public involvement process
- Familiarity with WisDOT's Community Sensitive Design principals and the ability to work with the local community
- Experience performing hydrologic and hydraulic design, including completing structure survey reports
- Familiarity with WisDOT encroachment reports
- Experience with development of WisDOT right-of-way plats
- Experience with project management
- Committed to providing WisDOT with updated construction cost estimates (minimum semi-annually)



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Green Bay Transportation District 3 (cont.)

The district discourages interested consultants in contacting the district with any inquiries directed toward marketing their firm for this project prior to submitting the NOI. Any such contact may adversely affect the selection of the consultant, at the discretion of the district. If absolutely necessary, the interested consultant may contact the district to further clarify the project scope or consultant requirements of the project.

The district contact person is Tom Kobus, Project Manager, at (920) 492-0143 or at thomas.kobus@dot.state.wi.us

D3 3B

Project ID: 4075-20-00

Main Street, Village of Little Chute
Jackson Street – E CPL
STH 96
Outagamie County

Project Purpose & Need

Existing concrete pavement needs to be replaced due to deterioration. Some intersections have high accident rates.

Project Description

The Wisconsin Department of Transportation (WisDOT) is soliciting consultant design services for the reconstruction of STH 96, Main Street, from Jackson Street to E CPL in Village of Little Chute in Outagamie County. The existing roadway is a 48-foot urban section that currently accommodates two lanes of traffic with parking. The Village of Little Chute will be replacing city utilities in conjunction with the project. The scope of the project will include public involvement, agency coordination, environmental analysis and coordination, preliminary and final design.

Deliverables

- Field surveys
- 30% Design Plan due September 1, 2006
- 60% Design Plan due July 1, 2007
- Environmental Document – 2ER due May 1, 2007
- Soils Report due April 1, 2007
- Pavement Design Report due May 1, 2007
- Design Study Report due June 1, 2007
- Preliminary Plans and DT 1078 sent to utilities by June 1, 2007
- 90% Design Plan due January 1, 2009
- PS&E package submitted to District 3 for District Review due March 1, 2009
- PS&E submitted for Bureau Review: May 1, 2009
- PS&E date: July 1, 2009
- Letting date: November 10, 2009

WisDOT Provides

- Concept Definition Report and/or District Scoping Document
- List of known utilities
- Aerial photography (including existing mapping and DTM)



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Green Bay Transportation District 3 (cont.)

- Project agreement with local government (if applicable)
- Crash data
- Traffic forecast
- Horizontal and vertical control for surveys
- As built plans
- Existing right-of-way plats
- Consultant Requirements
- Knowledge of the PS&E process
- Experience with design criteria – both with WisDOT's Facilities Development Manual and the AASHTO Roadside Design Guide – for rural and urban roadways.
- Experience with urban intersection design
- Experience with the design environmental process
- Coordinate with all agencies and obtain the necessary permits
- Familiarity with WisDOT Exception to Standards Report
- Familiarity with TRANS 220
- Familiarity with Railroad Coordination in regards to roadway projects
- Experience with the public involvement process
- Familiarity with WisDOT's Community Sensitive Design principals and the ability to work with the local community
- Experience performing hydrologic and hydraulic design, including completing structure survey reports
- Familiarity with WisDOT encroachment reports
- Experience with project management
- Committed to providing WisDOT with updated construction cost estimates (minimum semi-annually)

The district discourages interested consultants in contacting the district with any inquiries directed toward marketing their firm for this project prior to submitting the NOI. Any such contact may adversely affect the selection of the consultant, at the discretion of the district. If absolutely necessary, the interested consultant may contact the district to further clarify the project scope or consultant requirements of the project.

The district contact person is Tom Kobus, Project Manager, at 920-492-0143 or at thomas.kobus@dot.state.wi.us

D3 4B

Project ID: 6240-16-00

South Memorial Drive, City of Appleton
Fox River – College Avenue
STH 47
Outagamie County

Project Purpose & Need

Existing pavement needs to be replaced due to deterioration.

Project Description

The Wisconsin Department of Transportation (WisDOT) is soliciting consultant design services for the reconstruction of a portion of STH 47, South Memorial Drive, between the Fox River and College Avenue in the City of Appleton. The existing roadway is a 52-foot urban section that currently accommodates four lanes of



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Green Bay Transportation District 3 (cont.)

traffic. The scope of this project will include public involvement, agency coordination, environmental analysis and coordination, preliminary and final design.

Deliverables

- Field surveys
- 30% Design Plan due September 1, 2006
- 60% Design Plan due July 1, 2007
- Environmental Document – ER due May 1, 2007
- Soils Report due April 1, 2007
- Pavement Design Report due May 1, 2007
- Design Study Report due June 1, 2007
- Right-of-Way Plat due July 1, 2007
- Preliminary Plans and DT 1078 sent to utilities by July 1, 2007
- 90% Design Plan due February 1, 2009
- PS&E package submitted to District 3 for District Review due April 1, 2009
- PS&E submitted for Bureau Review: June 1, 2009
- PS&E date: August 1, 2009
- Letting date: January 12, 2010

WisDOT Provides

- Concept Definition Report and/or District Scoping Document
- List of known utilities
- Aerial photography (including existing mapping and DTM)
- Project agreement with local government (if applicable)
- Crash data
- Traffic forecast
- Horizontal and vertical control for surveys
- As built plans
- Existing right-of-way plats
- Consultant Requirements
- Knowledge of the PS&E process
- Experience with design criteria – both with WisDOT's Facilities Development Manual and the AASHTO Roadside Design Guide – for rural and urban roadways.
- Experience with urban intersection design
- Experience with the design environmental process
- Coordinate with all agencies and obtain the necessary permits
- Familiarity with WisDOT Exception to Standards Report
- Familiarity with TRANS 220
- Familiarity with Railroad Coordination in regards to roadway projects
- Experience with the public involvement process
- Familiarity with WisDOT's Community Sensitive Design principals and the ability to work with the local community
- Experience performing hydrologic and hydraulic design, including completing structure survey reports
- Familiarity with WisDOT encroachment reports
- Experience with development of WisDOT right-of-way plats
- Experience with project management
- Committed to providing WisDOT with updated construction cost estimates (minimum semi-annually)



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Green Bay Transportation District 3 (cont.)

The district discourages interested consultants in contacting the district with any inquiries directed toward marketing their firm for this project prior to submitting the NOI. Any such contact may adversely affect the selection of the consultant, at the discretion of the district. If absolutely necessary, the interested consultant may contact the district to further clarify the project scope or consultant requirements of the project.

The district contact person is Tom Kobus, Project Manager, at (920) 492-0143 or at thomas.kobus@dot.state.wi.us.



TRANSPORTATION DISTRICT 4

Scope of Service Narratives:

D4 1A

Project ID: 1016-08-05

I90 EAST

Mauston – Lyndon Station

Cemetery Road Overpass & Approaches

B-29-0026

Juneau County

Project ID: 1016-08-06

I90 EAST

Mauston – Lyndon Station

CTH N Overpass & Approaches, E. Junction

B-29-0025

Juneau County

Project ID: 1016-08-07

I90 EAST

Mauston – Lyndon Station

CTH N Overpass & Approaches, W. Junction

B-29-0031

Juneau County

Project Purpose & Need

The existing concrete deck surface on B-29-0026 shows moderate spalling and delamination. A new concrete overlay is proposed for the structure.

The existing concrete deck on B-29-0025 shows heavy deterioration including spalling and delamination throughout. It is proposed to redeck the structure.

The existing concrete deck on B-29-0031 shows heavy deterioration including spalling and delamination throughout. It is proposed to redeck the structure.

Project Description

B-29-0026 is 300.7 feet in length and has a clear roadway width of 24 feet. The continuous steel structure has a structure rating of 68.6

B-29-0025 is 236.9 feet in length and has a clear roadway width of 26 feet. The continuous steel structure has a structure rating of 83.9

B-29-0031 is 297.7 feet in length and has a clear roadway width of 26 feet. The continuous steel structure has a structure rating of 68.6

The department is soliciting for a consultant firm to develop one plan set that includes all three projects.



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Wisconsin Rapids Transportation District 4 (cont.)

Deliverables

The deliverables will include but are not limited to:

- Three (3) separate Programmatic Environmental Reports (pER)
- Three (3) separate Design Study Reports
- 30% Plans
- 60% Plans
- Pre-PS&E (complete plans, specs, and estimate) July 2007
- PS&E November 2007
- LET March 11, 2008

WisDOT Provides

- Traffic analysis
- Crash data
- List of known utilities
- As-Built Plans
- Existing Right-of-Way Plats

Consultant Requirements

- Knowledge of the PS&E process
- Experience with and knowledge of AASHTO's Roadside Design Guide
- Familiarity with TRANS 220
- Experience with the public involvement process
- Experience performing structure design
- Project Management Skills

Contacts

Consultants are requested not to contact department staff for marketing or to notify staff of interest. A selection will be made from the submitted Notice of Interest.

The WisDOT project manager is Kevin Garrigan. He will accept calls if firms have questions that pertain directly to the project scope. Kevin can be reached at (715) 421-8386.



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Wisconsin Rapids Transportation District 4 (cont.)

D4 2A

Project ID: 1017-00-31

Interstate 90/94
Camp Douglas – Wisconsin Dells
Countywide Beamguard Replacement
Juneau County

Project ID: 1017-00-32

Interstate 90/94
Camp Douglas – Wisconsin Dells
Countywide Bridge Maintenance
All Bridges on I90/94 in the County of Juneau
Juneau County

Project Purpose & Need

Project ID: 1017-00-31

The structures listed below are all overhead structures crossing I90/94. They were originally built in mid 1960's with the beam guard treatments of the same vintage. All the existing beam guard treatments are deficient. Most are not attached to the structures, do not have adequate height and all have buried end treatments. All the mainline structures carrying I90/94 traffic had the beam guard upgraded during the 1990's reconstruction of the corridor.

	Structure #	RP #		Structure #	RP #		Structure #	RP #
I90E:	B-29-55	53G + 0.00		B-29-48	60G + 0.00		B-29-41	63T + 0.00
	B-29-50	58G + 0.00		B-29-24	77G + 0.00		B-29-31	70K + 0.00
	B-29-39	65G + 0.00		B-29-20	83G + 0.00		B-29-26	73K + 0.00
	B-29-27	71T + 0.00		B-29-25	74G + 0.00		B-29-21	81D + 0.00
I90W:	B-29-55	53G + 0.00						
	B-29-50	58G + 0.00		B-29-49	60G + 0.00		B-29-42	63T + 0.00
	B-29-39	65G + 0.00		B-29-24	77G + 0.00		B-29-31	70K + 0.00
	B-29-28	71T + 0.00		B-29-20	83G + 0.00		B-29-26	73K + 0.00
	B-29-25	74G + 0.00		B-29-22	81D + 0.00			

Project Description

The project work includes replacing all beam guard approaches (extending if needed) to the structures including new end treatments and attachment to all bridge rails. It may include spot approach reshaping/grading to accommodate the new beam guard.

Because of the unique locations of each structure, traffic control needs will vary. Some structures may have an independent work zone and others may have overlap.

This project falls under the SHRM improvement type therefore the environmental document will be Categorical Exclusion. No right of way is anticipated, and this project is exempt from FHWA oversight.

Project ID: 1017-00-32

All structures throughout the I90/94 corridor in Juneau County are in need of bridge maintenance activities. Due to high traffic volumes, need for complicated traffic control, and limited county resources, it is desirable to perform these activities under contract



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Wisconsin Rapids Transportation District 4 (cont.)

	Structure #	RP #		Structure #	RP #		Structure #	RP #
I90E:	B-29-55	53G + 0.00		B-29-53	54T + 0.00		B-29-51	55G + 0.00
	B-29-50	58G + 0.00		B-29-48	60G + 0.00		B-29-46	60M + 8.20
	B-29-44	61K + 0.00		B-29-43	61T + 0.00		B-29-41	63T + 0.00
	B-29-39	65G + 0.00		B-29-38	68D + 0.00		B-29-36	68T + 0.00
	B-29-34	69K + 0.00		B-29-32	69K + 0.56		B-29-31	70K + 0.00
	B-29-27	71T + 0.00		B-29-29	71T + 0.71		B-29-26	73K + 0.00
	B-29-25	74G + 0.00		B-29-24	77G + 0.00		B-29-23	79K + 0.00
	B-29-21	81D + 0.00		B-29-20	83G + 0.00		B-29-18	83G + 2.11
	B-29-16	85T + 0.00						
I90W:	B-29-55	53G + 0.00		B-29-54	54T + 0.00		B-29-52	55G + 0.00
	B-29-50	58G + 0.00		B-29-49	60G + 0.00		B-29-47	60M + 0.00
	B-29-45	61K + 0.00		B-29-43	61T + 0.00		B-29-42	63T + 0.00
	B-29-39	65G + 0.00		B-29-38	68D + 0.00		B-29-37	68T + 0.00
	B-29-35	69K + 0.00		B-29-33	70K + 0.52		B-29-31	70K + 0.00
	B-29-28	71T + 0.00		B-29-30	73K + 0.81		B-29-26	73K + 0.00
	B-29-25	74G + 0.00		B-29-24	77G + 0.00		B-29-23	79K + 0.00
	B-29-22	81D + 0.00		B-29-20	83G + 0.00		B-29-19	85T + 0.48
	B-29-17	85T + 0.00						

Project Description

The project work will include bridge maintenance activities such as bridge washing, deck sealing, epoxy crack repairs, joint sealing and repairs, slope paving repairs, and spot painting.

Because of the unique locations of each structure, traffic control needs will vary. Some structures may have an independent work zone and others may have overlap.

This project falls under the SHRM improvement type therefore the environmental document will be Categorical Exclusion. No right of way is anticipated, and this project is exempt from FHWA oversight.

Deliverables

Consultant shall deliver two plan sets that include the possibility of each structure having separate work zones for each work type. Some structures are included in both projects and include maintenance and beamguard replacement however, separate work zone traffic control plans need to be designed in case the projects are not LET at the same time. The designer must consider the possibility of separate contractors and separate work zones. The Department will notify the consultant prior to the PS&E submittal or work with the contractors after the Letting to coordinate work zone efforts.

The selected firm will coordinate with the district to determine what maintenance is required on each specific structure in order to account for the correct quantities and activities in the plan set.

PS&E for both projects is scheduled for May 1, 2007.

Letting date for both projects is scheduled for September 9, 2007.

WisDOT Provides

- Maintenance requirements
- List of known utilities
- As-Built Plans
- Existing Right-of-Way Plats

Consultant Requirements

- Knowledge of the PS&E process
- Experience with and knowledge of AASHTO's Roadside Design Guide



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Wisconsin Rapids Transportation District 4 (cont.)

- Familiarity with TRANS 220
- Experience performing structure maintenance design
- Project management skills

Contacts:

Consultants are requested not to contact department staff for marketing or to notify staff of interest. A selection will be made from the submitted Notice of Interest.

The WisDOT project manager is Kevin Garrigan. He will accept calls if firms have questions that pertain directly to the project scope. Kevin can be reached at (715) 421-8386.

D4 1B

Project ID: 6140-00-05

STH 13

Friendship – Wisconsin Rapids

CTH D – 0.36 miles North of Hasa Lane

Adams & Wood Counties

Purpose and Need

The existing asphalt pavement exhibits rutting and transverse and longitudinal cracking.

Project Description

State Highway 13 is a two lane minor arterial with approximately 4550 ADT. The PDI in 2000 was listed as 45 and IRI (2000) is 1.61. The existing AC pavement was placed in 1988. There are no structures or substandard horizontal or vertical curves to be evaluated.

It is proposed to do a combination of two work types, including pavement replacement (rubblize and overlay) and resurface, along this segment of roadway. All work types will include intersection modifications as warranted per 3R standards. The resurfacing project will start at CTH D and proceed north to the Wood County Line. The pavement replacement portion of the project will start at the Wood County Line and proceed north 0.36 miles north of Hasa Lane. The intent of the resurface and recondition portions of the project is to restore/extend the life of the roadway. Problematic intersections will also be investigated.

Deliverables

- Pavement Design Report
- Programmatic Environmental Document
- 30% Plans
- 60% Plans
- DSR
- 90% Plans/Pre-PS&E (no less than 60 days prior to PS&E)
- PS&E
- LETTING

August 1, 2009
December 8, 2009

WisDOT Provides

- Traffic analysis
- Crash data



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Wisconsin Rapids Transportation District 4 (cont.)

- List of known utilities
- As-Built Plans
- Existing Right-of-Way Plats

Consultant Requirements

- Knowledge of the PS&E process
- Familiarity with TRANS 220
- Experience with the public involvement process
- Project management skills

Contacts:

Consultants are requested not to contact department staff for marketing or to notify staff of interest. A selection will be made from the submitted Notice of Interest.

The WisDOT project manager is Kevin Garrigan. He will accept calls if firms have questions that pertain directly to the project scope. Kevin can be reached at (715) 421-8386.

D4 2B

Project ID: 6320-08-02

STH 73

Plainfield - Nekoosa

South Junction STH 13 – North Junction STH 13

Wood County

Purpose and Need

Crashes are occurring on STH 13 between the intersection of STH 13 with the north and south junctions with STH 73. These crashes are occurring due to the weaving maneuvers that are needed in such a short distance.

Project Description

It is proposed to realign the south leg of STH 73 with the north leg of STH 73 and remove the current south access of STH 73. WisDOT currently has three proposed alignments for the current project. The selected consultant will analyze each of the alignments and propose the best alignment for WisDOT approval.

STH 73 is a Minor Arterial with approximately 13,400 ADT. The segment between the intersection of STH 13 with the north and south junctions with STH 73 is considered a two lane divided roadway. Actually it is part of a four lane divided segment that transitions into an urban four lane with STH 13 and the intersection is signalized.

This is a reconstruction project. Community Sensitive Design is not a high priority but still a necessity in the project. Right of way is expected and access control is required.

Deliverables include but are not limited to:

- Alternative analyses
- Pavement Design Report
- Environmental Report (ER)
- 30% Plans



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Wisconsin Rapids Transportation District 4 (cont.)

- Preliminary Plat
- 60% Plans
- DSR
- Final Plat (TPP)
- 90% Plans/Pre-PS&E (no less than 60 days prior to PS&E)
- PS&E
- LETTING

August 1, 2009
January 12, 2010

WisDOT Provides

- 3 proposed alignments
- Traffic analysis
- Crash data
- List of known utilities
- As-Built Plans
- Existing Right-of-Way Plats

Consultant Requirements

- Knowledge of the PS&E process
- Familiarity with TRANS 220
- Experience with the public involvement process
- Project management skills

Contacts

Consultants are requested not to contact Department staff for marketing or to notify staff of interest. A selection will be made from the submitted Notice of Interest.

The WisDOT project manager is Kevin Garrigan. He will accept calls if firms have questions that pertain directly to the project scope. Kevin can be reached at (715) 421-8386.

D4 3B

Project ID: 1166-01-00

I39

Mosinee - Wausau

Kowalski Road Overpass

Marathon County

Purpose and Need

The existing Kowalski Road overhead structure does not meet interstate vertical clearance standards and girders have been hit many times requiring extensive repair. The abutments of this structure encroach into the clear zone requirements of the interstate.

Project Description

It is proposed to replace the Kowalski Road overhead structure B-37-0098 and reconstruct a segment of Kowalski Road to improve geometrics and match profile of the new overhead structure.

Kowalski Road passes over I39. B-37-0098 is a steel girder structure built in 1964. It is 237 feet long with a clear roadway width of 26 feet.



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Wisconsin Rapids Transportation District 4 (cont.)

Bridge No.	Length (ft.)	Feature Over I39	RP	Clear Roadway Width (ft.)	SR	RS	Proposed Improvement	Type	Year Constructed
B-37-0098	237	Kowalski Road	368+0.00	26.0	65.6		Replacement	Cont. Steel Grider	1964

I39 is a principal arterial with 24,000 ADT. Right of way is anticipated in order to replace the structure and accommodate existing clear zone requirements. The anticipated environmental document is an Environmental Report (ER).

Deliverables include but are not limited to:

- Environmental Report (ER)
- 30% Plans
- Preliminary Plat
- 60% Plans
- DSR
- Final Plat (TPP)
- 90% Plans/Pre-PS&E (no less than 60 days prior to PS&E)
- PS&E
- LETTING

August 1, 2007

March 11, 2008

WisDOT Provides

- Crash data
- List of known utilities
- As-Built Plans
- Existing Right-of-Way Plats

Consultant Requirements

- Knowledge of the PS&E process
- Experience with and knowledge of AASHTO's Roadside Design Guide
- Familiarity with TRANS 220
- Experience with the public involvement process
- Experience performing structure design
- Project management skills

Contacts

Consultants are requested not to contact Department staff for marketing or to notify staff of interest. A selection will be made from the submitted Notice of Interest. Selections will be made based on availability, experience with the consultant requirements, and the firms ability to demonstrate their knowledge of the PS&E submittal process.

The WisDOT project manager is Mark Steidl. He will accept calls if firms have questions that pertain directly to the project scope. Mark can be reached at (715) 421-8043.



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Wisconsin Rapids Transportation District 4 (cont.)

D4 1C

Project ID: 6695-03-01

Center Street

East Marquette Street – Memorial Drive

City of Berlin

Green Lake County

Use the DT1821 Consultant Solicitation Local Selection NOI created for this project

Project Purpose & Need

Existing pavement has extensive deterioration with surface cracking and heaving. Curb and gutter is failing in many areas.

Project Description

The City of Berlin is soliciting for a consultant firm to develop plans for an urban reconstruct of .26 miles to correct existing deterioration to Center Street in the city of Berlin.

Deliverables

The deliverables will include:

- 6695-03-01 (71) PS&E 11/01/06
LET 03/13/07
- It is expected the consultant will deliver a complete PS&E package to the district and the city of Berlin.
- To include but not limited to:
 - Preliminary plans
 - Design Study Report
 - Pavement design
 - Right-of-way plat
 - Final plans, specials, and construction estimate

City of Berlin Provides

- Traffic analysis
- Crash data

WisDOT Provides

- List of known utilities

Consultant Requirements

- Knowledge of the PS&E process
- Experience with and knowledge of AASHTO's Roadside Design Guide
- Familiarity with DOT utility process
- Experience with the public involvement process
- Project management skills
- Urban storm sewer design in accordance with DNR water quality requirements



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Wisconsin Rapids Transportation District 4 (cont.)

Special Skills & Expectations

Consultants are requested not to contact any department staff or the city of Berlin regarding this project. Any such contact will adversely affect the selection of your firm.

Possible interviews will be held after the Notice of Interest Questionnaires are received.



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

TRANSPORTATION DISTRICT 7

Scope of Service Narratives:

D7 1B

Project ID: 9050-12-29

Use the DT1819 Consultant Solicitation Open to All Firms NOI created for this solicitation number. This solicitation is open to consultants who are NOT on the WisDOT's Roster of Eligible Consultants as well as to those who are.

The access control project serves as a cost effective strategy to improve safety, reduce traffic congestion and facilitate planned access to developed land adjacent to the state facility. The increased demand for access to adjacent lands born of increased rates of development must be mitigated along the 22.69 miles of STH 47 from forest lane, northwesterly to USH 51 in Oneida County.

The selected consultant will provide a scope of services consistent with directives found in WisDOT's Facilities Development Manual, Chapter 7, Procedure 7-15-1 to complete this project.

The contract price will be based on the selected consultant's actual costs plus profit. Actual costs will be defined as those costs allowable under the cost principles in Part 31 of Federal Acquisition Regulation (FAR). Consultant costs including indirect cost rates and cost accounting system will be subject to audit. Consultant firms that are unable to account for costs consistent with requirements of the FAR are not eligible to contract. Consultants selected will be required to either submit or have on file with WisDOT a Consultant Financial Report prior to contract execution. Information on the report may be found at <http://www.dot.wisconsin.gov/business/engrserv/caufinancial.htm>.

Contact Rob Severson at (715) 365-5797 for more info or send E-mail to Rob Severson at robert.severson@dot.state.wi.us

D7 1A

Project ID: 9080-13-29

Use the DT1819 Consultant Solicitation Open to All Firms NOI created for this solicitation number. This solicitation is open to consultants who are NOT on the WisDOT's Roster of Eligible Consultants as well as to those who are.

The access control project serves as a cost effective strategy to improve safety, reduce traffic congestion and facilitate planned access to developed land adjacent to the state facility. The increased demand for access to adjacent lands born of increased rates of development must be mitigated along the 10.25 miles of STH 70 from STH 155 east to Cloverland Drive in Vilas County.

The selected consultant will provide a scope of services consistent with directives found in WisDOT's Facilities Development Manual, Chapter 7, Procedure 7-15-1 to complete this project.

The contract price will be based on the selected consultant's actual costs plus profit. Actual costs will be defined as those costs allowable under the cost principles in Part 31 of Federal Acquisition Regulation (FAR). Consultant costs including indirect cost rates and cost accounting system will be subject to audit. Consultant firms that are unable to account for costs consistent with requirements of the FAR are not eligible to contract.



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Rhineland Transportation District 7 (cont.)

Consultants selected will be required to either submit or have on file with WisDOT a Consultant Financial Report prior to contract execution. Information on the report may be found at

<http://www.dot.wisconsin.gov/business/engrserv/caufinancial.htm>.

Contact Rob Severson at (715) 365-5797 for more info or send E-mail to Rob Severson:

robert.severson@dot.state.wi.us



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

BUREAU OF EQUITY AND ENVIRONMENTAL SERVICES (BEES)

Scope of Service Narratives:

BEES 1B

Project ID: XXXX-XX-XX

4 Hazardous Materials Management Master Contracts

Anticipated contract amount: \$1,000,000*

Use the DT1819 Consultant Solicitation Open to All Firms NOI created for this solicitation number. This solicitation is open to consultants who are NOT on the WisDOT's Roster of Eligible Consultants as well as those who are.

Master contracts with consulting firms are used by the Bureau of Equity and Environmental Services to furnish WisDOT statewide services in management of contamination associated with development of transportation facilities. These contracts are primarily for phase 2.5, 3, and 4 work and a smaller amount of phase 1 and 2 investigation work and may be used for asbestos investigation or abatement. The WisDOT Facilities Development Manual describes the purpose of Phase 1 and 2 investigations as determining presence of contamination, Phase 2.5 as planning for management of contamination in construction, Phase 3 as planning for remediation and Phase 4 as carrying out remediation. The PECFA program is utilized occasionally to fund remediation, but the majority of work performed is not associated with PECFA. Construction emergencies require consultant contractors to respond within 24 hours to avoid delays in progress.

Submittal of the NOI must be predicated on the firm's agreement with terms of the contract.

- To review the contract language to be used for this work, access the Consultant extranet at this URL <http://www.dot.wisconsin.gov/business/engrserv/cauextranet.htm>. The specific Consultant extranet address for the contract language is <https://trust.dot.state.wi.us/extntgtwy/consultants/pdf/specmast0802.pdf>
- The contract special provisions to be used for this work are located on the Internet at <http://www.dot.wisconsin.gov/business/docs/hazmatspecials.pdf>.

*Due to administrative and planning constraints, it is expected that the dollar amount of the contract is greater than the actual dollar amount of work to be authorized. Contracts will be initiated for a two year period with option to renew for an additional year.

By February 28, 2005, notification will be sent to all respondents listing those consultants who have been selected for interviews.

The contract price will be based on the selected consultant's actual costs plus profit. Actual costs will be defined as those costs allowable under the cost principles in Part 31 of Federal Acquisition Regulation (FAR). Consultant costs including indirect cost rates and cost accounting system will be subject to audit. Consultant firms that are unable to account for costs consistent with requirements of the FAR are not eligible to contract. Consultants selected will be required to either submit or have on file with WisDOT a Consultant Financial Report prior to contract execution. Information on the report may be found at <http://www.dot.wisconsin.gov/business/engrserv/caufinancial.htm>.

Questions may be directed to Ms. Shar Te Beest (608) 266-1476 or E-mail: sharlene.tebeest@dot.state.wi.us.



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

BUREAU OF HIGHWAY DEVELOPMENT (BHD)

Scope of Service Narratives:

BHD 1A

Project ID: 0656-24-17

Multiple Statewide Master Contracts will be awarded

Use the DT1819 Consultant Solicitation Open to All Firms NOI created for this solicitation number. This solicitation is open to consultants who are NOT on the WisDOT's Roster of Eligible Consultants as well as those who are.

Consultant services are needed to determine engineering control (horizontal, vertical and/or three-dimensional coordinates) using appropriate survey techniques (total station, GPS, leveling, etc.) to meet required standards and specifications for both mapping and non-mapping projects throughout the state of Wisconsin.

Several Master Contracts will be developed and the scope of each project will be described in the work order. The purpose of this work may include setting and establishing coordinates (latitude, longitude, and ellipsoidal height) on engineering control, setting and establishing elevations on bench marks (orthometric height), and/or setting and establishing coordinates (northing, easting, and orthometric height) on photogrammetric control for transportation improvement projects. The engineering control will be used by the department to position targets and provide topographic mapping of various existing features, and the photogrammetric control will be used by the department to provide photogrammetric products to delineate existing features for the design and construction of transportation improvement projects. The geodetic control to be used for the project will be in place and specified per project.

The consultant may be required to perform the following tasks in accordance with WisDOT and Federal guidelines:

- Planning (reconnaissance, monumentation (Type 2, 3 or 4), target placement, network/loop configuration)
- Data acquisition (total station, GPS, leveling, etc.)
- Data analysis and adjustment (least-squares)
- Data submittal (report, observational data, and survey station coordinates in specified format such as AASHTO Survey Data Management System (SDMS) or other WisDOT specific formats)

The contract price will be based on the selected consultant's actual costs plus profit. Actual costs will be defined as those costs allowable under the cost principles in Part 31 of Federal Acquisition Regulation (FAR). Consultant costs including indirect cost rates and cost accounting system will be subject to audit. Consultant firms that are unable to account for costs consistent with requirements of the FAR are not eligible to contract. Consultants selected will be required to either submit or have on file with WisDOT a Consultant Financial Report prior to contract execution. Information on the report may be found at <http://www.dot.wisconsin.gov/business/engrserv/caufinancial.htm>.



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Bureau of Highway Development, Surveying and Mapping (cont.)

Principal Contact

The following representative for the department shall serve as the consultant's principal contact for project coordination, production schedules, technical questions, receipt of invoices, and determining acceptability of the scope of services for this project:

Kimberly L. Schauder, P.E.
Geodetic Engineer
Wisconsin Department of Transportation
Surveying & Mapping Section, Room 5B
P.O. Box 7916
Madison, WI 53707-7916
Telephone: (608) 264-8709
Email: kimberly.schauder@dot.state.wi.us

BHD 1B

Project ID: 0656-24-00

Up to 6 Statewide Master Contracts may be awarded

Use the DT1819 Consultant Solicitation Open to All Firms NOI created for this solicitation number. This solicitation is open to consultants who are NOT on the WisDOT's Roster of Eligible Consultants as well as to those who are.

The department is soliciting for statewide photogrammetric services Master Contracts. Photogrammetric services desired may include:

- Aerial photography;
- Photographic processing;
- Surveying;
- Scanning;
- Analytical triangulation;
- Stereo compilation and editing of planimetric features and digital terrain data within MicroStation design files;
- Creation of geo-referenced and ortho rectified imagery; and
- Collection of LiDAR data.

A master contract may be awarded to a firm who can perform any or all of these services.

The contract price will be based on the selected consultant's actual costs plus profit. Actual costs will be defined as those costs allowable under the cost principles in Part 31 of Federal Acquisition Regulation (FAR). Consultant costs including indirect cost rates and cost accounting system will be subject to audit. Consultant firms that are unable to account for costs consistent with requirements of the FAR are not eligible to contract. Consultants selected will be required to either submit or have on file with WisDOT a Consultant Financial Report prior to contract execution. Information on the report may be found at <http://www.dot.wisconsin.gov/business/engrserv/caufinancial.htm>.



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Bureau of Highway Development, Surveying and Mapping (cont.)

Principal Contact:

The following representative for the department shall serve as the consultant's principal contact for project coordination, production schedules, technical questions, receipt of invoices, and determining acceptability of the scope of services for this project:

Cynthia K. McCallum
Photogrammetry Unit Coordinator
Engineering Specialist Adv. 2,
Wisconsin Department of Transportation
Surveying & Mapping Section, Room 5B
P.O. Box 7916
Madison, WI 53707-7916
Telephone: (608) 267-4482
<mailto:cynthia.mccallum@dot.state.wi.us>



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

BUREAU OF HIGHWAY OPERATIONS (BHO)

Scope of Service Narratives:

BHO 1B

Project ID: 1009-04-10

Statewide Master Contract

Traffic Signal Engineering & Support

The Bureau of Highway Operations will award this statewide master contract. The contract will provide for technical and professional traffic engineering services related to traffic signal operations. Individual work orders may be initiated in BHO – Traffic or the Transportation Districts based in regional need.

The services under the master contract will *generally* include, but are not limited to, the following:

- Performing intersection turning movement counts at signalized intersections or interchange ramp terminals,
- Conducting specialized intersection studies that include determination of:
 - Saturation flow rates,
 - Peak hour factors,
 - Vehicle delay,
 - Queue lengths,
 - Crash analysis,
- Verifying traffic signal operations in the field,
- Performing complex traffic signal evaluation, optimization and microsimulation for isolated installations or for signal systems using WisDOT approved software analysis tools,
- Developing recommended traffic signal phasing plans, traffic signal timing programs, signal systems timing programs, or modifications to existing programs that will consider: peak hour intervals, special events &/or incident management,
- Performing comparative intersection analyses that consider alternate forms of traffic control,
- Developing multi-jurisdictional arterial traffic management systems design & coordinating related integration,
- Developing recommended best practices based on practical knowledge of traffic signal operations principals & industry standards.

For more information contact Graham Heitz at (608) 266-1260.

BHO 2B

Project ID: 1009-04-11

Statewide Specialty Master Contract

Traffic Engineering

A statewide, specialty master contract will be awarded for the provision of freeway traffic engineering technical transfer and peer review services for the Bureau of Highway Operations. Under the terms of this contract, projects may be initiated in BHO or Transportation Districts in need of traffic engineering services.



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Bureau of Highway Operations – Traffic (cont.)

The services under the master contract should encompass but are NOT limited to the following:

- Working knowledge of national professional and research activities pertaining to complex freeway system operations, freeway system planning, and design
- Familiarity with national freeway best practices, standards, and research findings
- Technical knowledge of national freeway project design, construction, maintenance, and operations standards, processes, and procedures
- Traffic operations and safety engineering audit process for the state's freeway system
- Provide recommendations to improve the safety and efficiency of traffic operations during construction
- Alternative geometric and operational strategies and tactics, including the use of new technologies
- Plan and field review to provide recommendations for the technical accuracy, safety, and quality of highway improvement projects that impact the state's freeway system
- Traffic incident management practices and programs, as well as emergency traffic management and highway operations practices and trends
- Traffic operations project management and program development skills
- Intelligent Transportation System (ITS) design

For more information, contact Marie Treazise at (608) 266-1380.

BHO 3B

Project ID: 1009-04-12

2 Statewide Specialty Master Contracts
Traffic Engineering

Two statewide, specialty master contracts will be awarded for the provision of technical and professional traffic engineering services for the Bureau of Highway Operations. Under the terms of this contract, projects may be initiated in BHO or Transportation Districts in need of traffic engineering services.

The services under the master contract should encompass but NOT limited to the following:

- Signing and marking design (Standard Details, Plans for Statewide Deployments).
- Traffic signal system design.
- Intelligent Transportation System (ITS) design.
- ITS architecture development.
- Electrical and lighting design.
- Crash data management and analysis.
- Roadway safety audit services.
- Traffic engineering field services (No passing zone spotting, speed studies, traffic counts, etc.)
- On-site (BHO based) consulting presence for ongoing support of various traffic engineering projects and functions.
- Review of P.S & E' s for traffic/electrical/ITS engineering portion of plans.
- Statewide needs analysis for various traffic engineering projects based on Department's Safety Management Plan.
- Sign bridge inspection

For more information contact Ashwani K. Sharma at (608) 266-1273.



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

BUREAU OF RAILROADS AND HARBORS (BRH)

Scope of Service Narratives:

BRH 1A

Project ID: 0092-05-13

Railroad Bridge Studies

Use the DT1819 Consultant Solicitation Open to All Firms NOI created for this solicitation number. This solicitation is open to consultants who are NOT on the WisDOT's Roster of Eligible Consultants as well as to those who are.

Introduction

The department, in cooperation with the Wisconsin and Southern Railroad Company (WSOR) is seeking an engineering firm to undertake studies of railroad bridges located on WisDOT and Transit Commission owned lines operated by WSOR between Janesville and Monroe and between Slinger and Horicon. The studies require on-site inspection of the bridges and engineering analysis and a report of findings and recommendations for each bridge.

Special Skills

Specialized knowledge of engineering principles for timber, concrete and steel railroad bridges is required. Access to bridges will require qualification in and compliance with Federal Railroad Administration roadway worker and bridge worker safety rules and procedures.

Guidelines

The current recommended practice contained in the American Railway Engineering and Maintenance of Way Association Manual for Railway Engineering, 2004 edition is to be followed. Applicable provisions of chapters 7, 8 and 15 are to be followed for bridge inspections and ratings.

Deliverables

Furnish six hard and six electronic disc copies of each study report. Meet with WisDOT and WSOR staff to review the report and discuss its findings and recommendations and an action plan.

Janesville to Monroe Overview

There are a total of 21 bridges to be studied consisting of approximately 86 spans of timber trestle, four steel girder spans and one - 105 foot pony truss.

Study Objectives

For each bridge, the study objectives are to determine:

1. existing conditions
2. Cooper's E rating for the existing design of the bridge
3. work needed to return each bridge to its design load rating
4. whether the design can routinely carry 286K and 315K car loads for proscribed axle spacing
5. work needed to handle 286K and 315K car loads.

Scope

Timber Trestle Bridges and Spans

Standard drawings for pile trestles designed for Coopers E-72 live load will be provided.

1. Determine whether the construction of the bridge conforms to one of the standard drawings and if so, state which standard design the bridge conforms with.



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Bureau of Railroads and Harbors (cont.)

2. If the bridge does not conform to one of the standard drawings, provide sketches depicting the design and a Cooper's service load rating for each of the major bridge components, to include stringers, caps and piles for the design that exists.
3. Determine whether the existing design is adequate to handle 286 K and 315 K car service loads for axle spacing to be provided.
4. Determine conditions, defects and deterioration that reduce the original design load capability and record them in a condition inventory format. Where defects or deterioration are found, provide an estimate of the remaining life of the bridge, state which components limit the life and provide an estimate of cost and a remedial action plan of repairs to return the bridge to its design load rating.
5. If degradation of major elements has progressed to a point for which maintenance repairs or component replacements are not considered economically justified, indicate the reasons for this conclusion and provide general alternatives and budgeting costs for replacement of bridge elements or the entire bridge.

Concrete and Steel Bridges and Spans

No plan information is available for these bridges.

1. Provide sketches of the bridge and the Cooper's rating based on its existing design. For steel spans, provide a Cooper's rating for all fracture critical components.
2. Determine whether the existing design is adequate to handle 286 K and 315 K car service loads for axle spacing to be provided.
3. Determine conditions, defects and deterioration that reduce the original design load capability and record them in a condition inventory format. Where defects or deterioration are found, provide an estimate of the remaining life of the bridge, state which components limit the life and provide an estimate of cost and a remedial action plan of repairs to return the bridge to its design load rating.
4. If degradation of major elements has progressed to a point for which maintenance repairs or component replacements are not considered economically justified, indicate the reasons for this conclusion and provide general alternatives and budgeting costs for replacement of bridge elements or the entire bridge.

Action Plan

Based on priority, provide a recommended action plan, if needed, for bridge repairs where feasible or replacements or upgrades where necessary to

1. return the bridge to its design load rating and
2. accommodate 286K and 315K cars.

Study Report

Provide a report for each bridge, sealed by a professional engineer registered in Wisconsin, to include, as referenced above:

1. Cooper's rating for existing design with influence diagrams and supporting calculations
2. Analysis of 286K and 315K design loading capability
3. Inspection report with sketches and photographs
4. Report of current conditions
5. Recommendations for work needed to correct deficiencies
6. Prioritized remedial action plan to restore each bridge to its design service load rating
7. Statement of work needed to handle 286K and 315K cars if present design is inadequate.



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Bureau of Railroads and Harbors (cont.)

Slinger to Horicon Overview

There are a total of five bridges to be studied consisting of three spans of timber trestle, five spans of concrete and four spans of steel girders.

Study Objectives

For each bridge, the study objectives are to determine:

1. Cooper's E rating for the existing design
2. Whether the design can routinely carry 286K and 315K car loads for proscribed axle spacing
3. Work needed to handle 286K and 315K car loads.

Scope

Timber Trestle Bridge

Standard drawings for pile trestles designed for Coopers E-72 live load will be provided.

1. Determine whether the construction of the bridge conforms to one of the standard drawings and if so, state which standard design the bridge conforms with.
2. If the bridge does not conform to one of the standard drawings, provide sketches depicting the design and a Cooper's service load rating for the each of the major bridge components, to include stringers, caps and piles for the design that exists.
3. Determine whether the existing design is adequate to handle 286 K and 315 K car service loads for axle spacing to be provided.

Concrete and Steel Bridges and Spans

Some plan information is available for these bridges.

1. Determine whether the construction of the bridge conforms to the drawings
2. Supplement the drawings if the plans do not reflect existing construction
3. Determine the Cooper's rating for the bridge based on its original design. For steel spans, provide a Cooper's rating for all fracture critical components.
4. Determine whether the existing design is adequate to handle 286 K and 315 K car service loads for axle spacing to be provided.

Action Plan

Based on priority, provide a recommended action plan if needed for bridge upgrades where feasible or replacements where necessary to accommodate 286K and 315K cars.

Study Report

Provide a report for each bridge, sealed by a professional engineer registered in Wisconsin, to include, as referenced above:

1. Cooper's rating for existing design with influence diagrams and supporting calculations
2. Analysis of 286K and 315K design loading capability
3. Statement of work needed to handle 286K and 315K cars if present design is inadequate.

Additional information

The selected consultant must be licensed and hold a current Certificate of Authorization to practice professional engineering in the State of Wisconsin (per ss.443.08).

The contract price will be based on the selected consultant's actual costs plus profit. Actual costs will be defined as those costs allowable under the cost principles in Part 31 of Federal Acquisition Regulation (FAR). Consultant costs including indirect cost rates and cost accounting system will be subject to audit. Consultant firms that are unable to account for costs consistent with requirements of the FAR are not eligible to contract.



JANUARY 2005 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Bureau of Railroads and Harbors (cont.)

Consultants selected will be required to either submit or have on file with WisDOT a Consultant Financial Report prior to contract execution. Information on the report may be found at

<http://www.dot.wisconsin.gov/business/engrserv/caufinancial.htm>.

Contact

Questions related to this solicitation may be directed to: James H. Bolitho, P.E., Chief – Railroad Engineering & Safety Section, Bureau of Railroads and Harbors, Madison, telephone (608) 267-7349.